SYMBOLS

C	Area reduction factor
D	Bar diameter, in. (mm)
E	Modulus of elasticity, psi (N/mm^2)
K	Stress concentration factor in static analysis
K_f	Stress concentration factor in fatigue
N	Number of cycles to failure
n	Number of working cycles
q	Notch sensitivity factor
$R.A.$	Reduction in area, %
σ_a	Stress amplitude, psi (N/mm^2)
σ_e	Endurance limit, psi (N/mm^2)
σ_m	Mean stress, psi (N/mm^2)
σ_{min}	Minimum working stress, psi (N/mm^2)
σ_{max}	Maximum working stress, psi (N/mm^2)
σ_y	Yield strength, psi (N/mm^2)